SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

Latitude O ,	" "	ongitude	0	1	n
Latitude		Tourstrane			
Has the FAA been notified of the proposition of the			ready exists It a copy of FAA	1	es X N
DateOf	fice where filed	·		<u> </u>	
5. List all landing areas within 8 km of a	ntenna site. Specify o	distance and be	aring from struc	cture to nearest	point of
nearest runway. Landing Area	Distan	ce (km)	Ве	aring (degrees	True)
(a)	1	N/A			
(b)					
(a) Elevation: (to the nearest meter)					
(1) of site above mean sea level;				551.7	meters
(2) of the top of supporting structure appurtenances, and lighting, if a		iding antenna,	all other	65.0	meters
(3) of the top of supporting structure	above mean sea lev	rel [(a)(1) + (a)(2)]	616.7	meters
b) Height of radiation center: (to the new	rest meter/ H = Hori	zontal; V • Vert	ical		
(1) above ground				57.3	meters (
				57.3	meters (
(2) above mean sea level [(a)(1) +	(bX 1)]			609.0	meters (
				609.0	meters (
(3) above average terrain				281.3	meters (
				281.3	meters (
Attach as an Exhibit sketch(es) of the su in Question 7 above, except item 7(b)(3). specify heights and orientations of all a	If mounted on an Al	M directional-ari	ray element,	Exhit Fig	olt No.
Effective Radiated Power: (a) ERP in the horizontal plane	0.373	(w (H*)0	37 kw (V*)		
(b) is beam tilt proposed?		· · · · · · · · · · · · · · · · · · ·		Ye	s X No
If Yes, specify maximum ERP in the properties of the properties of the specific maximum in the specific maxi		am, and attach	as an Exhibit a	Exhib	it No.
tor modi elevational piot of Padiated		tur (Ha)	kw (V*)	<u> </u>	

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 3)

	10. Is a directional antenna proposed?	Yes X No
	If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field.	Exhibit No.
	11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 78.315(a) and (b)?	X Yes No
	If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service.	Exhibit No.
	12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal?	X Yes No
	If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.	Exhibit No.
ï- <u>-</u>	(a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 78.207?	Yes X No
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SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 4)

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V. The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.	Exhibit No. Fig. 3
16. Attach as an Exhibit (neme the source) a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers.	Exhibit No. Fig. 2
(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;	
(b) the 8.16 mV/m and 1 mV/m predicted contours; and	
(c) the legal boundaries of the principal community to be served.	
17. Specify area in square kilometers (1 sq. mi 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.	
Area 1,827 sq. km. Population 74,915	
18. For an application involving an auxiliary facility only, attach as an Exhibit a map (Sectional Aeronautical thant or equivalent) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:	Exhibit No.
(a) the proposed auxiliary 1 mV/m contour; and	
(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.	
19. Terrain and coverage data Ito be calculated in accordance with 47 C.F.R. Section 73.3131	
Source of terrain data: Icheck only one box below?	
Linearly interpolated 30-second database 75 minute topographic map	
(Source:)	
X Other (briefly summerize)	
U.S.G.S. 3 Arc-Second Terrain Data Base	

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

	Height of radiation center above average	Predicted Distances		
Radial bearing (degrees True)	elevation of radial from 3 to 16 km (meters)	To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)	
**			,	
0	276.1	13.42	23.90	
45	246.8	12.68	22.59	
90	259.7	13.01	23.17	
136	250.4	12.77	22.75	
180	300.9	14.02	24.94	
225	273.1	13.35	23.77	
270	354.0	15.17	27.06	
316	289.5	13.75	24.47	

^{*}Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20	Environmental	Statement/See	47 / 5 0	Cantina.	1 1201	-4	. ,
w.	PH AH OH HIGH 181	Smamenras	4/ L.F.R.	Section	1.1301	at can	

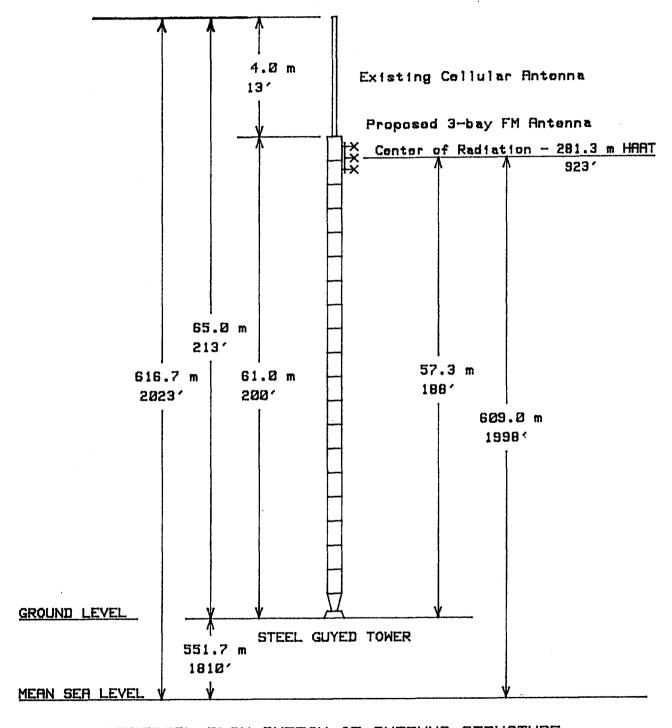
	Would a Commission grant of this that it may have a significant env	application come within Section 1.1907 of the FCC Rules, such ironmental impact?	Yes X No
/	If you answer Yes, submit as an Ex	thibit an Environmental Assessment required by Section 1.1311.	Exhibit No.
	If No, explain briefly why not.	See Engineering Statement	

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

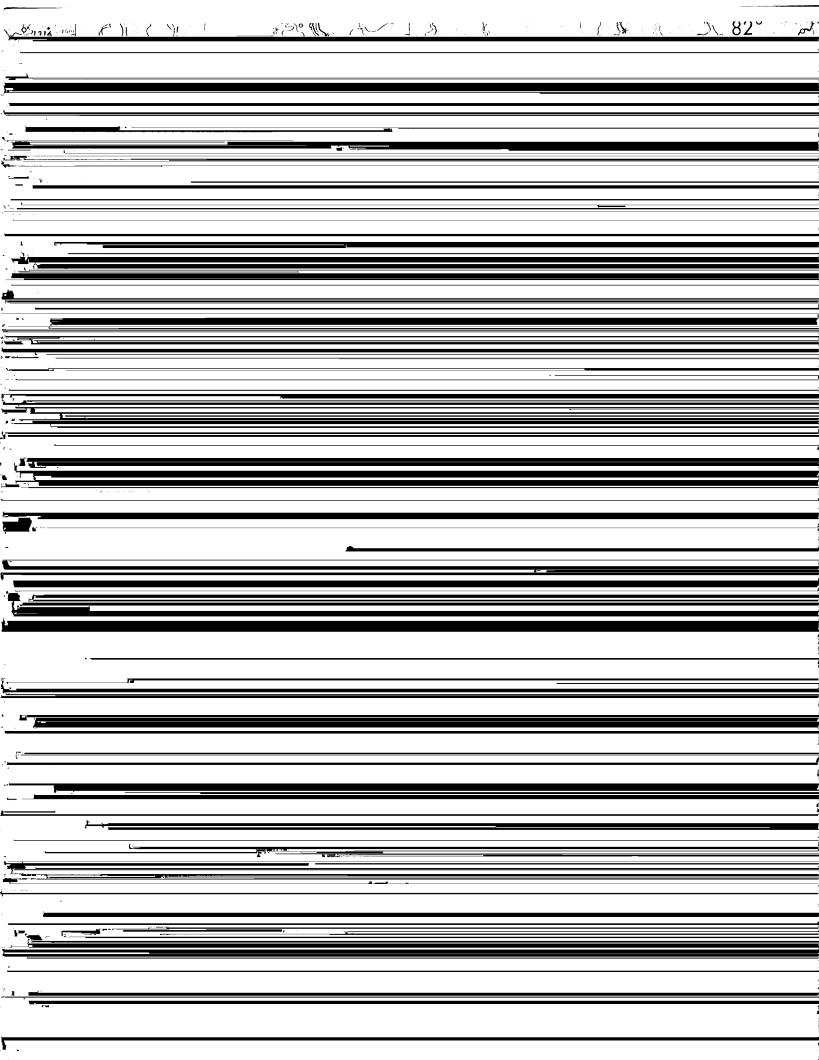
Name (Typed or Printed)	Relationship to Applicant le.g., Consulting Engineer		
B. Benjamin Evans	Consulting Engineer		
Signature	Address (Include 219 Code) 216 N. Green Bay Road Thiensville, WI 53092		
Date	Telephone No. (Include Area Code)		
December 23, 1991	(414) 242-6000		

FIGURE 1



VERTICAL PLAN SKETCH OF ANTENNA STRUCTURE

New FM Station Harold, Kontucky 0.37 KW E.R.P. 104.9 MHz



METH QUADRANGLE
KENTUCKY-PIKE CO.
MINUTE SERIES (TOPOGRAPHIC) FIGURE 3 TOPOGRAPHIC MAP SHOWING

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Evans Associates 216 N. Green Bay Road Thiensville, WI 53092 FM FREQUENCY ALLOCATION STUDY

Channel: 285A (104.9 MHz)

Coordinates: 37 - 31 - 59 82 - 29 - 40

Job Title: GEARHEART - HAROLD KY Φ indicates 73.215 Facility Cl.A Spacing: PRE-'89 CH/CL-ZN ERP-kw HAAT-m DA LATITUDE BEAR-to DIST-km CALL & CITY STATUS STATE FCC# COMMENTS LONGITUDE -from-oT CLEAR-km -km bluefield 283C 100. WV BLH7705 > LAHW 37 15 21 104.5° 120.2 93.5 366 81 10 55 285.3° +26.7 LIC Hazard MD 284A 0.25 346 37 11 36 238.4° 71.8 63.5 58.0° +8.3 LIC KY BLH890807KB> 83 11 4 WKOS Kingsport 285A 1.40 146 36 33 13 177.9° 108.8 104.5 TN BLH850613KF> 82 27 0 357.9° +4.3 LIC WSKV Stanton 207 37 45 43 282.5° 121.7 104.5 285A 0.44 KY BLH6351 >SITE RESTRICTED 7 MI 83 50 36 101.7° +17.2 LIC WKLCFM St. Albans 38 25 15 26.7° 110.5 286B 3.6 507 104.5 WV BLH840113AC> 81 55 27 207.0° LIC +6.0 288A 1.70 37 39 24 299.9° 27.6 26.5 WXKZFM Prestonsburg 119 82 45 58 119.8° LIC KY BLH3586 +1.1

>> *** CHANNEL SUITABLE FOR ASSIGNMENT *** <<